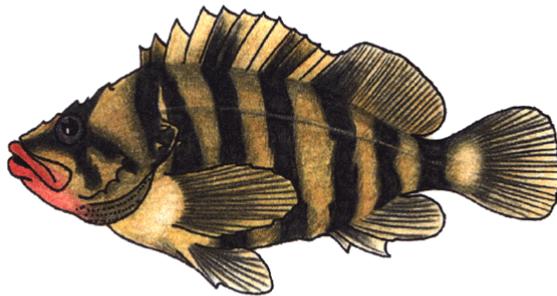


Treefish, *Sebastes serriceps*  
1993-1999 Commercial Catch by Ports & Blocks



**Marine Fishery Profiles**

*Volume 1: Nearshore*

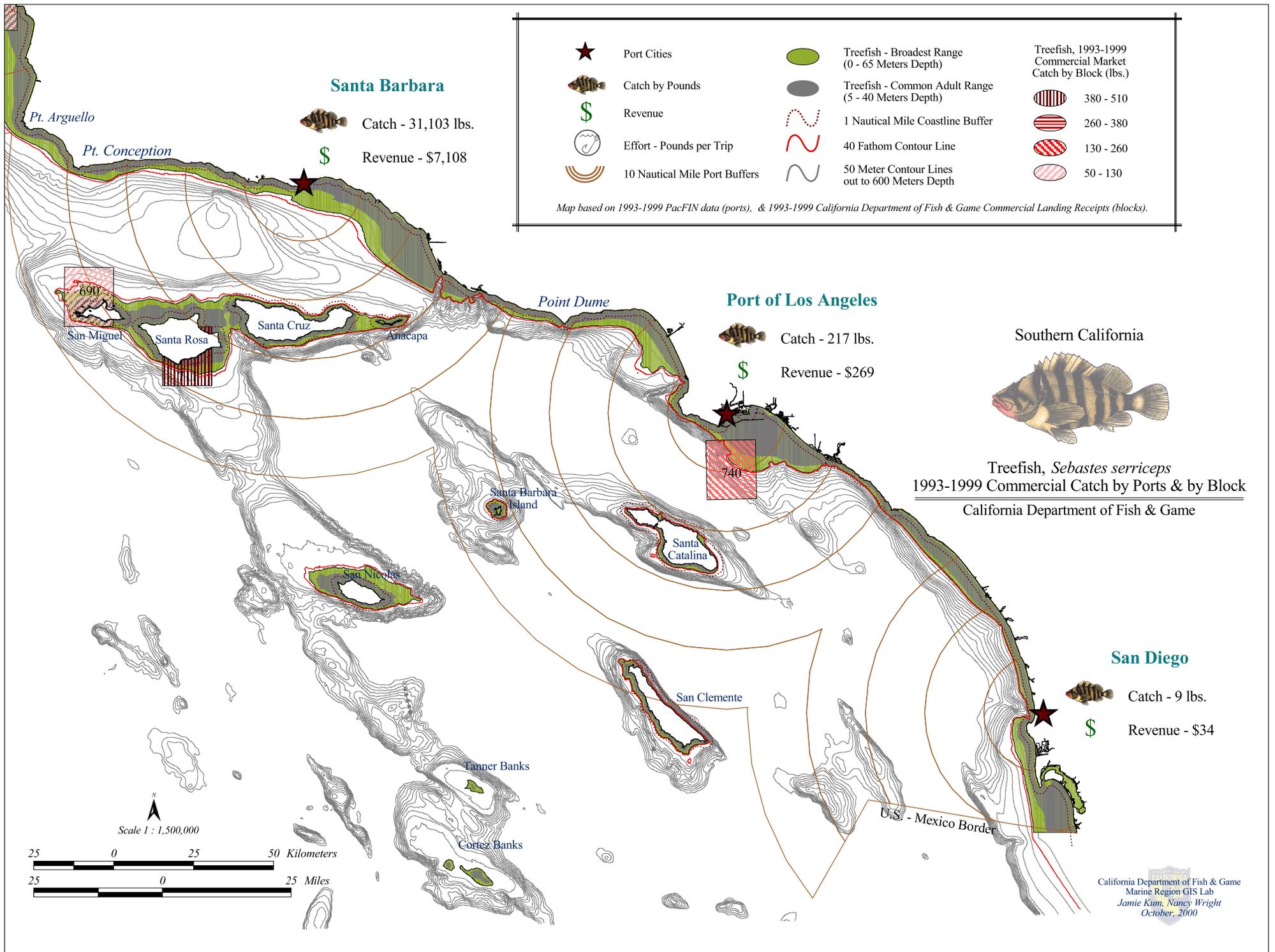
Marine Region GIS Lab

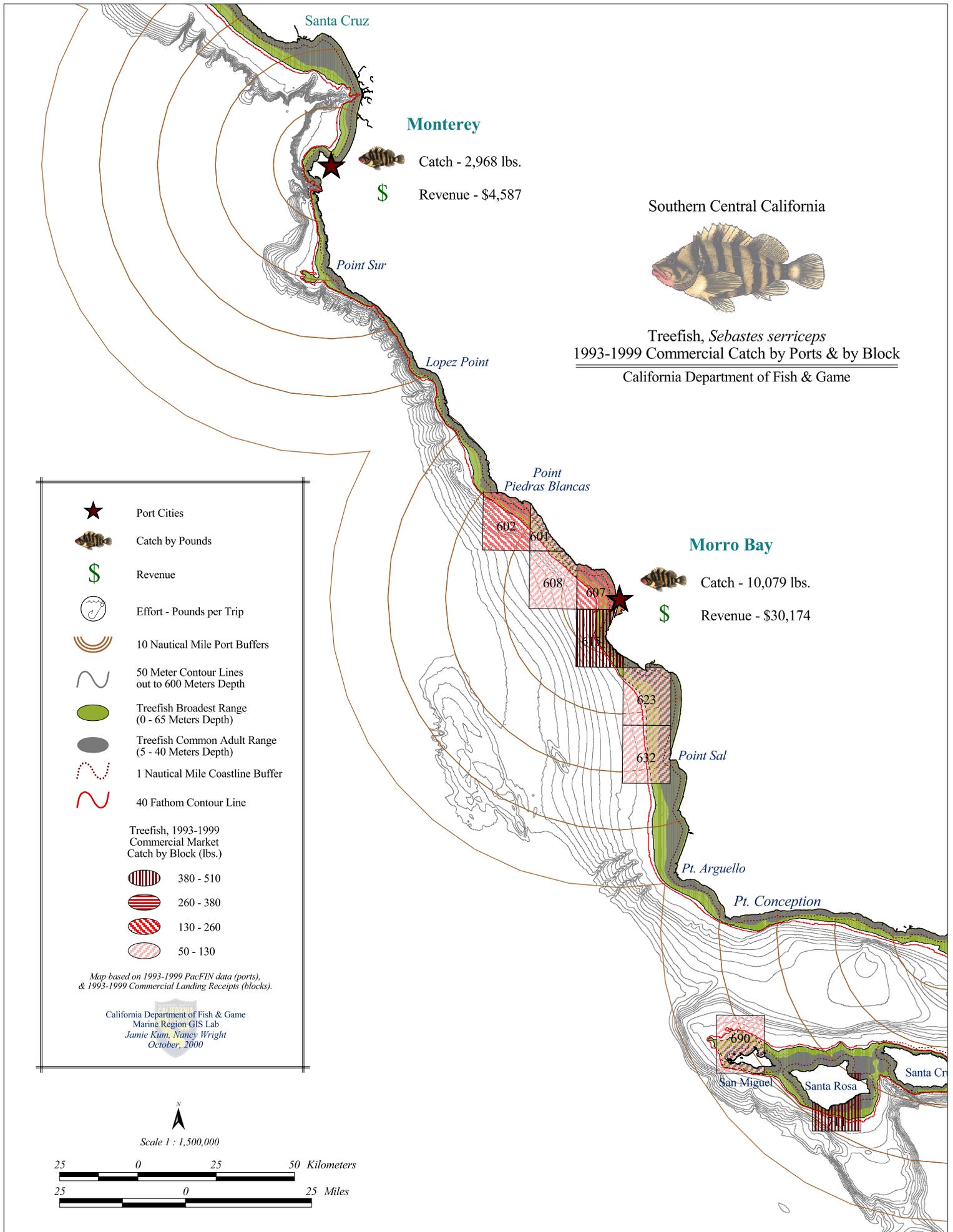
Nancy Wright      Eric Knaggs  
Jamie Kum          Bob Leos  
Chad King          Colleena Perez



California Department of Fish & Game  
Marine Region

December 2000

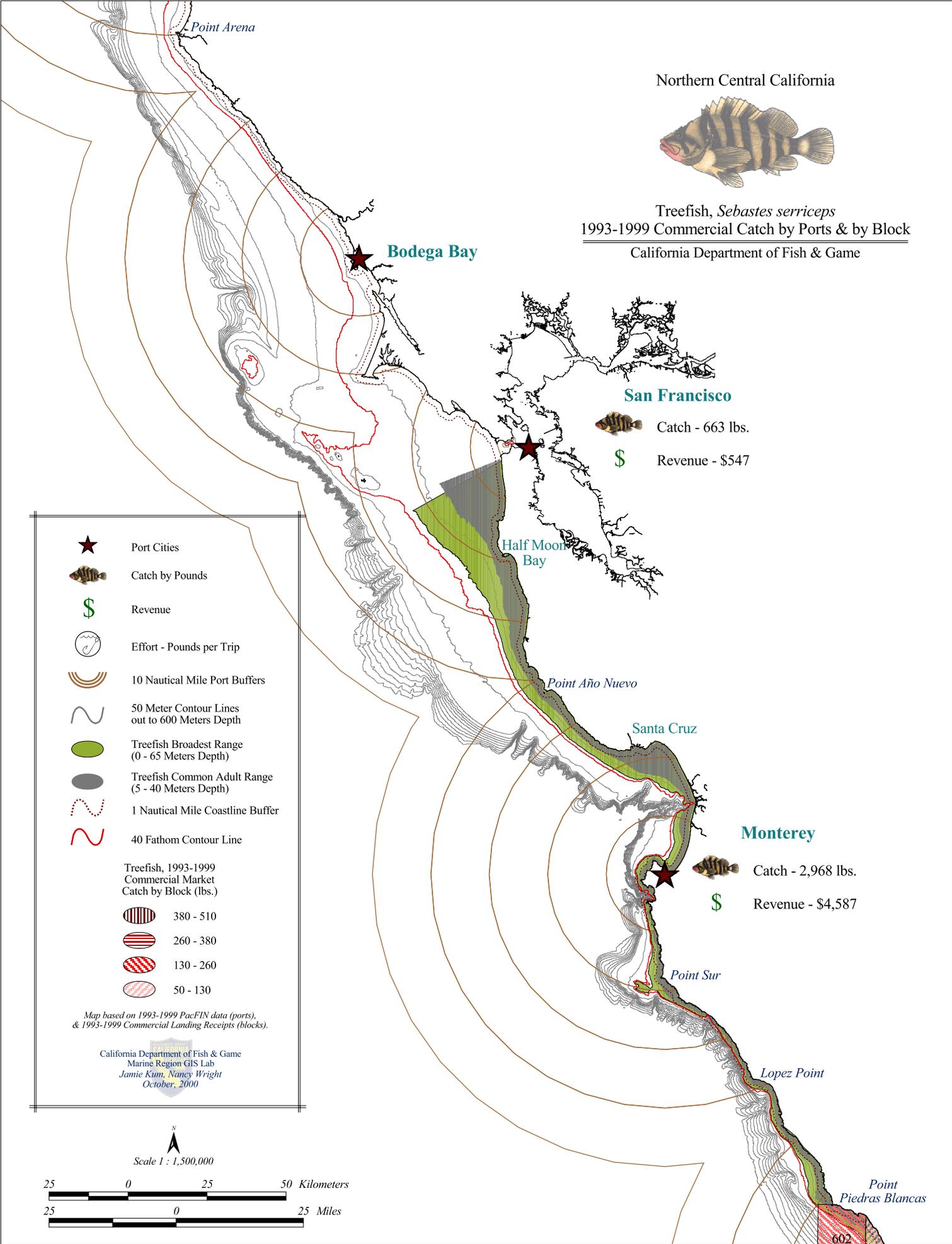




Northern Central California



Treefish, *Sebastes serriceps*  
 1993-1999 Commercial Catch by Ports & by Block  
 California Department of Fish & Game



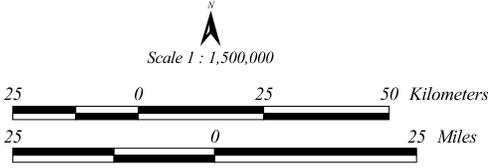
- ★ Port Cities
- Catch by Pounds
- \$ Revenue
- Effort - Pounds per Trip
- 10 Nautical Mile Port Buffers
- 50 Meter Contour Lines out to 600 Meters Depth
- Treefish Broadest Range (0 - 65 Meters Depth)
- Treefish Common Adult Range (5 - 40 Meters Depth)
- 1 Nautical Mile Coastline Buffer
- 40 Fathom Contour Line

Treefish, 1993-1999 Commercial Market Catch by Block (lbs.)

	380 - 510
	260 - 380
	130 - 260
	50 - 130

Map based on 1993-1999 PacFIN data (ports), & 1993-1999 Commercial Landing Receipts (blocks).

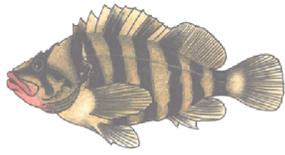
California Department of Fish & Game  
 Marine Region GIS Lab  
 Jamie Kum, Nancy Wright  
 October, 2000



**San Francisco**  
 Catch - 663 lbs.  
 Revenue - \$547

**Monterey**  
 Catch - 2,968 lbs.  
 Revenue - \$4,587

Northern California

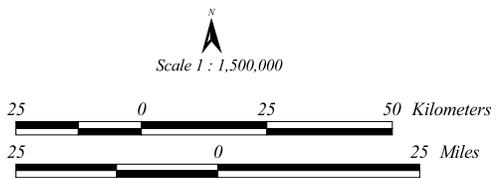
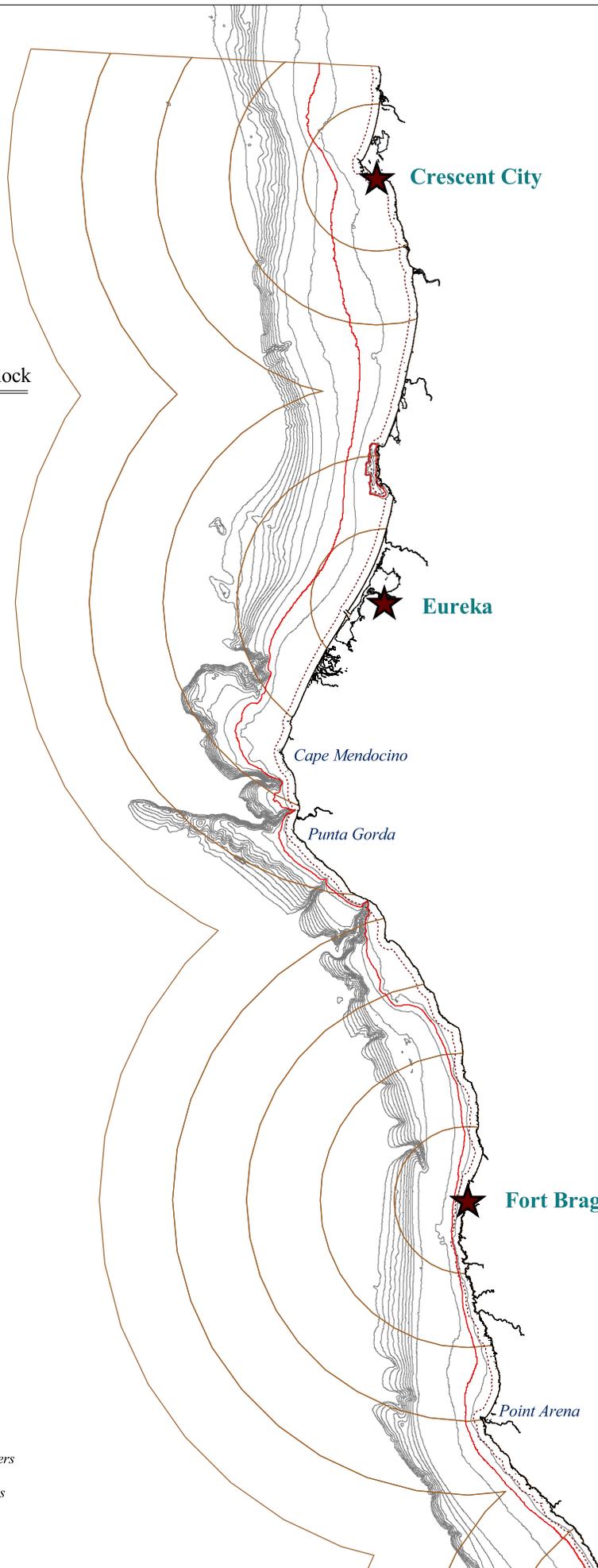


Treefish, *Sebastes serriceps*  
 1993-1999 Commercial Catch by Ports & by Block  
 California Department of Fish & Game

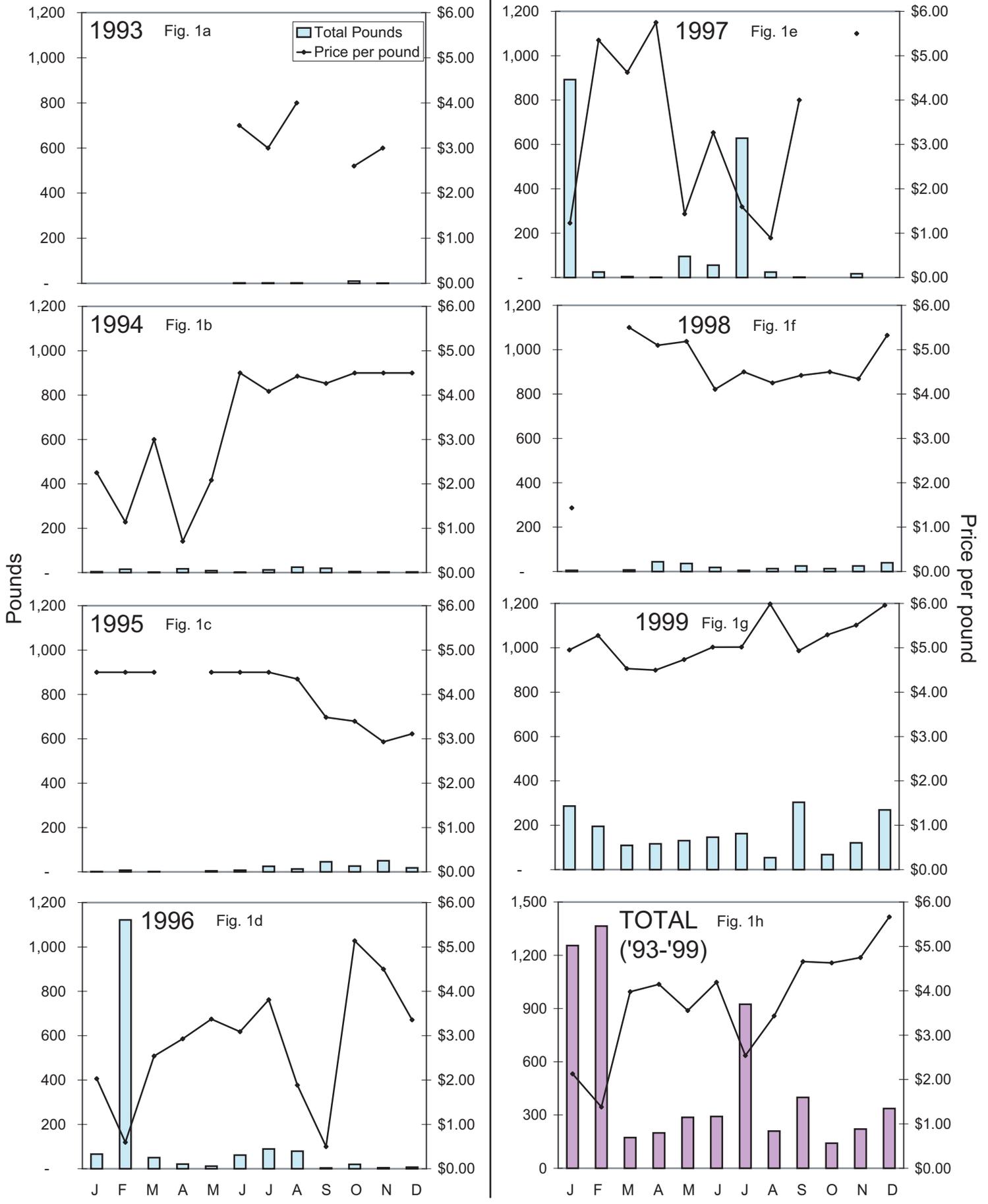
	Port Cities
	Catch by Pounds
	Revenue
	Effort - Pounds per Trip
	10 Nautical Mile Port Buffers
	50 Meter Contour Lines out to 600 Meters Depth
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Map based on 1993-1999 PacFIN data (ports), & 1993-1999 Commercial Landing Receipts (blocks).

California Department of Fish & Game  
 Marine Region GIS Lab  
 Jamie Kum, Nancy Wright  
 October, 2000



**Figure 1.** (refer to table 1) CDFG Commercial Receipts Data (1993 - 1999)  
 Total Pounds of Treefish Caught and Average Price per Pound by Month



**Table 1.** (refer to fig. 1) CDFG Commercial Receipts Data (1993 - 1999)  
Total Pounds of Treefish Caught and Average Price per Pound by Month

1993  
Table 1a

Month	Total Pounds	Price per Pound
Jan	no data	no data
Feb	no data	no data
Mar	no data	no data
Apr	no data	no data
May	no data	no data
Jun	2	\$3.50
Jul	2	\$3.00
Aug	2	\$4.00
Sep	no data	no data
Oct	10	\$2.60
Nov	1	\$3.00
Dec	no data	no data
<b>Total</b>	<b>17</b>	<b>\$2.94</b>

1997  
Table 1e

Month	Total Pounds	Price per Pound
Jan	892	\$1.23
Feb	25	\$5.35
Mar	4	\$4.63
Apr	1	\$5.75
May	95	\$1.43
Jun	56	\$3.27
Jul	628	\$1.59
Aug	25	\$0.89
Sep	2	\$4.00
Oct	no data	no data
Nov	17	\$5.50
Dec	no data	no data
<b>Total</b>	<b>1,744</b>	<b>\$1.54</b>

1994  
Table 1b

Month	Total Pounds	Price per Pound
Jan	4	\$2.25
Feb	15	\$1.14
Mar	2	\$3.00
Apr	17	\$0.71
May	9	\$2.08
Jun	1	\$4.50
Jul	12	\$4.08
Aug	24	\$4.43
Sep	20	\$4.26
Oct	4	\$4.50
Nov	3	\$4.50
Dec	3	\$4.50
<b>Total</b>	<b>114</b>	<b>\$3.10</b>

1998  
Table 1f

Month	Total Pounds	Price per Pound
Jan	5	\$1.43
Feb	no data	no data
Mar	7	\$5.50
Apr	44	\$5.10
May	36	\$5.19
Jun	18	\$4.11
Jul	5	\$4.50
Aug	13	\$4.25
Sep	25	\$4.42
Oct	13	\$4.50
Nov	25	\$4.34
Dec	40	\$5.32
<b>Total</b>	<b>231</b>	<b>\$4.75</b>

1995  
Table 1c

Month	Total Pounds	Price per Pound
Jan	1	\$4.50
Feb	8	\$4.50
Mar	1	\$4.50
Apr	no data	no data
May	5	\$4.50
Jun	7	\$4.50
Jul	25	\$4.50
Aug	13	\$4.35
Sep	46	\$3.48
Oct	26	\$3.40
Nov	50	\$2.93
Dec	18	\$3.11
<b>Total</b>	<b>199</b>	<b>\$3.59</b>

1999  
Table 1g

Month	Total Pounds	Price per Pound
Jan	287	\$4.95
Feb	195	\$5.28
Mar	109	\$4.53
Apr	116	\$4.50
May	130	\$4.73
Jun	146	\$5.01
Jul	162	\$5.02
Aug	54	\$5.99
Sep	304	\$4.93
Oct	68	\$5.29
Nov	121	\$5.51
Dec	269	\$5.96
<b>Total</b>	<b>1,960</b>	<b>\$5.14</b>

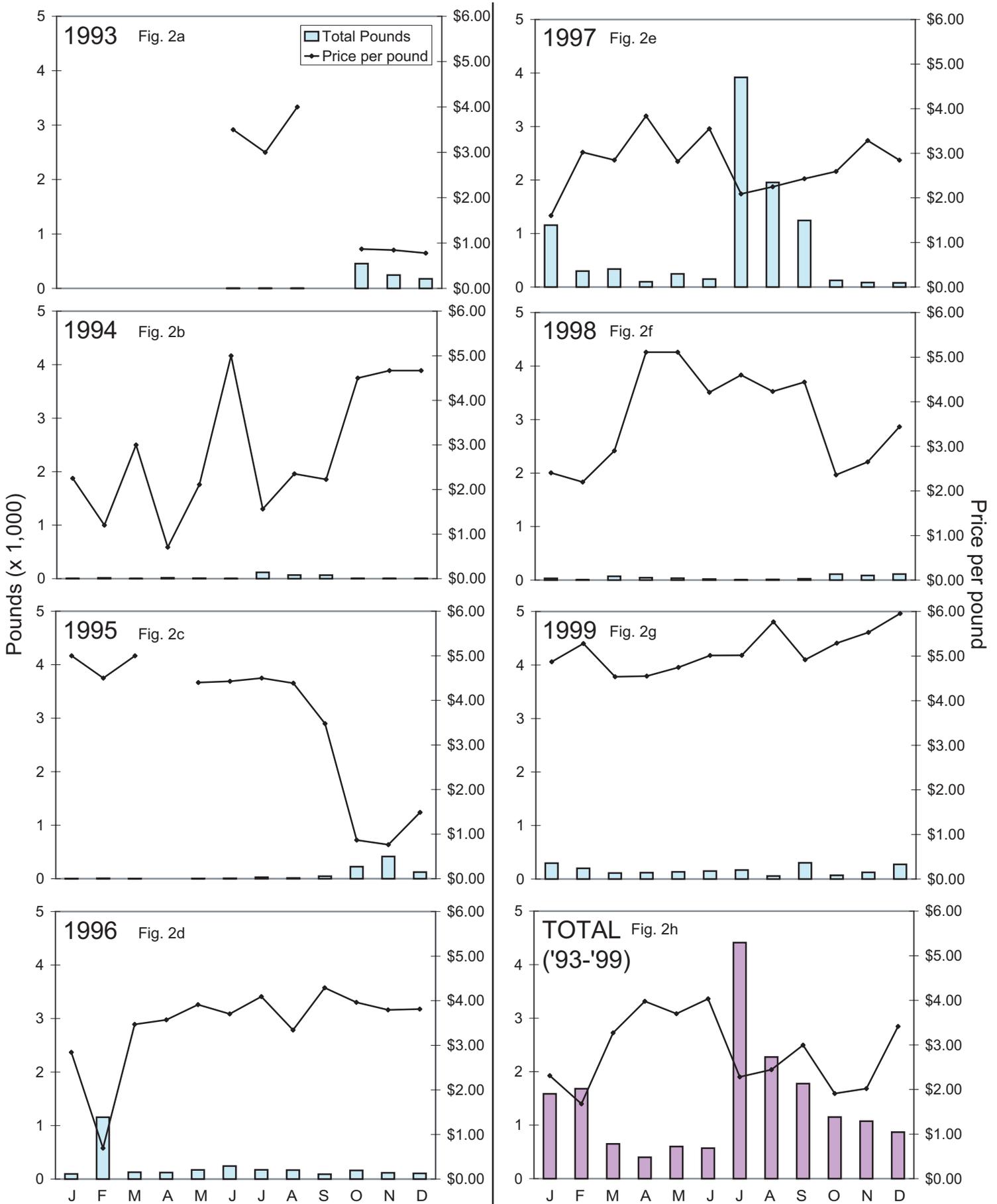
1996  
Table 1d

Month	Total Pounds	Price per Pound
Jan	66	\$2.03
Feb	1,122	\$0.60
Mar	50	\$2.54
Apr	21	\$2.93
May	12	\$3.37
Jun	62	\$3.09
Jul	89	\$3.81
Aug	79	\$1.88
Sep	4	\$0.50
Oct	20	\$5.14
Nov	5	\$4.50
Dec	7	\$3.36
<b>Total</b>	<b>1,536</b>	<b>\$1.21</b>

**TOTAL**  
**'93 - '99**  
Table 1h

Month	Total Pounds	Price per Pound
Jan	1,255	\$2.13
Feb	1,364	\$1.38
Mar	173	\$3.98
Apr	199	\$4.14
May	287	\$3.55
Jun	292	\$4.19
Jul	924	\$2.54
Aug	209	\$3.43
Sep	399	\$4.66
Oct	141	\$4.63
Nov	221	\$4.75
Dec	337	\$5.67
<b>Total</b>	<b>5,801</b>	<b>\$2.90</b>

**Figure 2.** (refer to table 2) Pacific Fisheries Information Network Data (1993 - 1999)  
 Total Pounds of Treefish Caught and Average Price per Pound by Month



**Table 2.** (refer to fig. 2) Pacific Coast Fisheries Information Network Data (1993 - 1999)  
 Total Pounds of Treefish Caught and Average Price per Pound by Month

1993  
 Table 2a

Month	Total Pounds	Price per Pound
Jan	no data	no data
Feb	no data	no data
Mar	no data	no data
Apr	no data	no data
May	no data	no data
Jun	2	\$3.50
Jul	2	\$3.00
Aug	2	\$4.00
Sep	no data	no data
Oct	455	\$0.87
Nov	245	\$0.84
Dec	175	\$0.78
<b>Total</b>	<b>881</b>	<b>\$0.86</b>

1997  
 Table 2e

Month	Total Pounds	Price per Pound
Jan	1,157	\$1.60
Feb	298	\$3.02
Mar	337	\$2.85
Apr	98	\$3.84
May	246	\$2.82
Jun	149	\$3.55
Jul	3,919	\$2.09
Aug	1,955	\$2.25
Sep	1,245	\$2.43
Oct	125	\$2.59
Nov	84	\$3.29
Dec	78	\$2.85
<b>Total</b>	<b>9,691</b>	<b>\$2.24</b>

1994  
 Table 2b

Month	Total Pounds	Price per Pound
Jan	4	\$2.25
Feb	15	\$1.20
Mar	2	\$3.00
Apr	17	\$0.71
May	9	\$2.11
Jun	1	\$5.00
Jul	119	\$1.56
Aug	68	\$2.35
Sep	66	\$2.23
Oct	4	\$4.50
Nov	3	\$4.67
Dec	3	\$4.67
<b>Total</b>	<b>311</b>	<b>\$1.95</b>

1998  
 Table 2f

Month	Total Pounds	Price per Pound
Jan	32	\$2.41
Feb	5	\$2.20
Mar	70	\$2.90
Apr	45	\$5.11
May	36	\$5.11
Jun	19	\$4.21
Jul	5	\$4.60
Aug	13	\$4.23
Sep	25	\$4.44
Oct	111	\$2.36
Nov	86	\$2.65
Dec	112	\$3.44
<b>Total</b>	<b>559</b>	<b>\$3.31</b>

1995  
 Table 2c

Month	Total Pounds	Price per Pound
Jan	1	\$5.00
Feb	8	\$4.50
Mar	1	\$5.00
Apr	no data	no data
May	5	\$4.40
Jun	7	\$4.43
Jul	26	\$4.50
Aug	13	\$4.38
Sep	46	\$3.48
Oct	225	\$0.87
Nov	415	\$0.76
Dec	123	\$1.49
<b>Total</b>	<b>870</b>	<b>\$1.30</b>

1999  
 Table 2g

Month	Total Pounds	Price per Pound
Jan	297	\$4.87
Feb	199	\$5.28
Mar	112	\$4.54
Apr	118	\$4.55
May	134	\$4.75
Jun	149	\$5.01
Jul	168	\$5.02
Aug	56	\$5.77
Sep	303	\$4.92
Oct	69	\$5.29
Nov	124	\$5.53
Dec	273	\$5.96
<b>Total</b>	<b>2,002</b>	<b>\$5.12</b>

1996  
 Table 2d

Month	Total Pounds	Price per Pound
Jan	95	\$2.84
Feb	1,155	\$0.69
Mar	128	\$3.47
Apr	121	\$3.57
May	171	\$3.91
Jun	243	\$3.70
Jul	172	\$4.09
Aug	167	\$3.34
Sep	90	\$4.29
Oct	161	\$3.96
Nov	116	\$3.79
Dec	106	\$3.81
<b>Total</b>	<b>2,725</b>	<b>\$2.44</b>

**TOTAL**  
 '93 - '99  
 Table 2h

Month	Total Pounds	Price per Pound
Jan	1,586	\$2.31
Feb	1,680	\$1.68
Mar	650	\$3.27
Apr	399	\$3.98
May	601	\$3.70
Jun	570	\$4.03
Jul	4,411	\$2.28
Aug	2,274	\$2.44
Sep	1,775	\$3.00
Oct	1,150	\$1.91
Nov	1,073	\$2.02
Dec	870	\$3.41
<b>Total</b>	<b>17,039</b>	<b>\$2.52</b>

## Abbreviated Life History of the Treefish (*Sebastes serriceps*)

Treefish are a nearshore rockfish species that inhabit shallow, rocky habitats. They are striking in appearance with a yellowish ground color and five to six vertical black bars on the side.

### ***Distribution, Stock Structure and Migration***

Treefish range from Cedros Island, Baja California to San Francisco. The depth range they inhabit is shallow to 150 ft. Treefish are a residential species with a limited home range; they do not exhibit migrational activity.

### ***Age and Growth***

The maximum size for treefish is 16 in. TL.

### ***Reproduction, Fecundity and Seasonality***

No data are available for size at maturity for this species. Treefish are thought to spawn once annually in late winter.

### ***Natural Mortality***

There is no information on treefish natural mortality.

### ***Diseases***

No information is available on diseases in treefish.

### ***Predator/Prey Relationships***

Treefish are ambush predators that feed nocturnally on benthic invertebrates, including mollusks and crustaceans, and small fish. Juveniles are fed upon by rockfishes, lingcod, cabezon, salmon, birds, porpoises, and least terns. Adults are preyed upon by sharks, dolphins, and seals.

### ***Competition***

Treefish are solitary and highly territorial. They may compete with other treefish and nearshore rockfish species such as gopher, grass, and black-and-yellow rockfishes for food and shelter habitat.

### ***Critical Habitat***

Juvenile treefish are found in drifting mats of kelp, in areas of high rocky relief, and on artificial reefs. Adult treefish are found on shallow rocky reefs, frequently in caves and crevices. They are also found in similar habitats on artificial reefs in southern California.

### ***Status of Stocks***

There are no estimates of abundance for treefish in California. In southern California, treefish are an important species in both the nearshore recreational fishery and in the commercial fishery for live fish.